



**US Army Corps  
of Engineers®**  
Engineer Research and  
Development Center

# Computerized Process for Quality Control (CPQA) Software

## Technology

The current version (CPQA 1.0) is a Windows based software package that assists the user in the production of a Scope of Work for surveys such as topographic, hydrographic, boundary, control, photogrammetric, etc. Based on user input and guidance from USACE Engineering Manuals and Engineering Circulars, the software provides suggestions as to the accuracy, scale, measurement density, etc., needed to complete specified projects.

## Problem

CPQA was developed as an automated process for developing a scope of work for spatial data collection and then use this information to assist a contract monitor in the evaluation of the deliverables and even create a basis metadata file.

## Expected Cost To Implement

CPQA has a Microsoft Windows (MS-Windows)-based Graphical User Interface which allows the user to enter specify information about the type data collection to be performed and the deliverables required using pull-down menus dialog boxes. The program requires a PC with a 80386 (or higher) processor and about 20 megabytes of hard disk space. MS-Windows95/98/NT/2000/XP is also required.

## Benefits/Savings

CPQA provides assistance in creating a scope of work /task order and stores all the essential information in a text file database.

## Status

Version 1.0 is the current release of CPQA and is available via the Internet.

## ERDC POC

U.S. Army Engineer Research and Development Center, Topographic Engineering Center (TEC), ATTN: CEERD-TR-A, 7701 Telegraph Road, Alexandria, VA 22315-3864; e-mail: [rd9@tec.army.mil](mailto:rd9@tec.army.mil)

## Distribution Sources

The program is available via the Internet from [http://www.tec.army.mil/what\\_products.html](http://www.tec.army.mil/what_products.html) click on Products and Service than CPQA

## Available Documentation

Documentation is distributed with the software.

## Available Training

CPQA is used in PROSPECT Survey IV class.

## Available Support

Due to restricted resources, very limited assistance is available to non-Corps of Engineers users.

